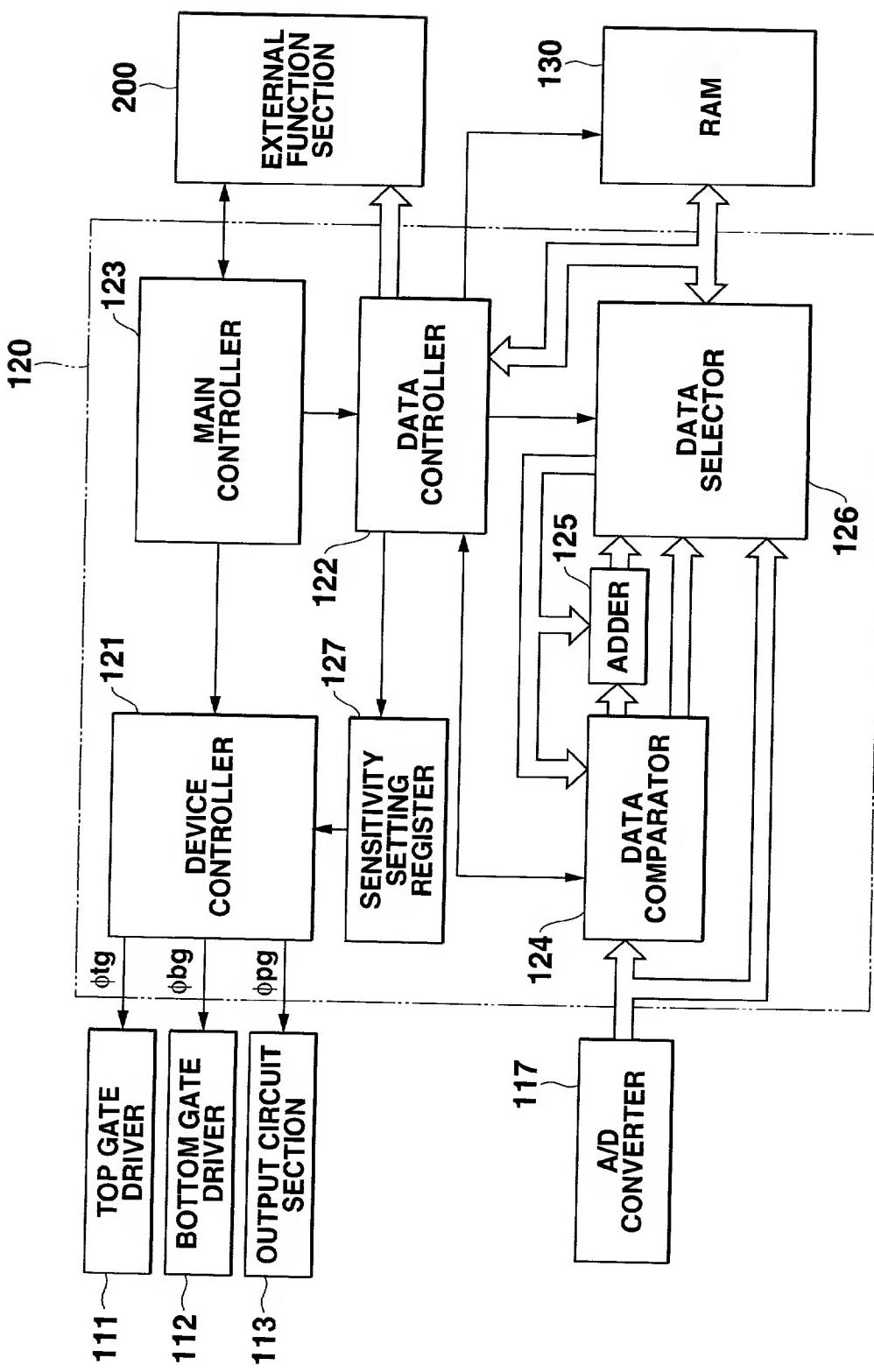
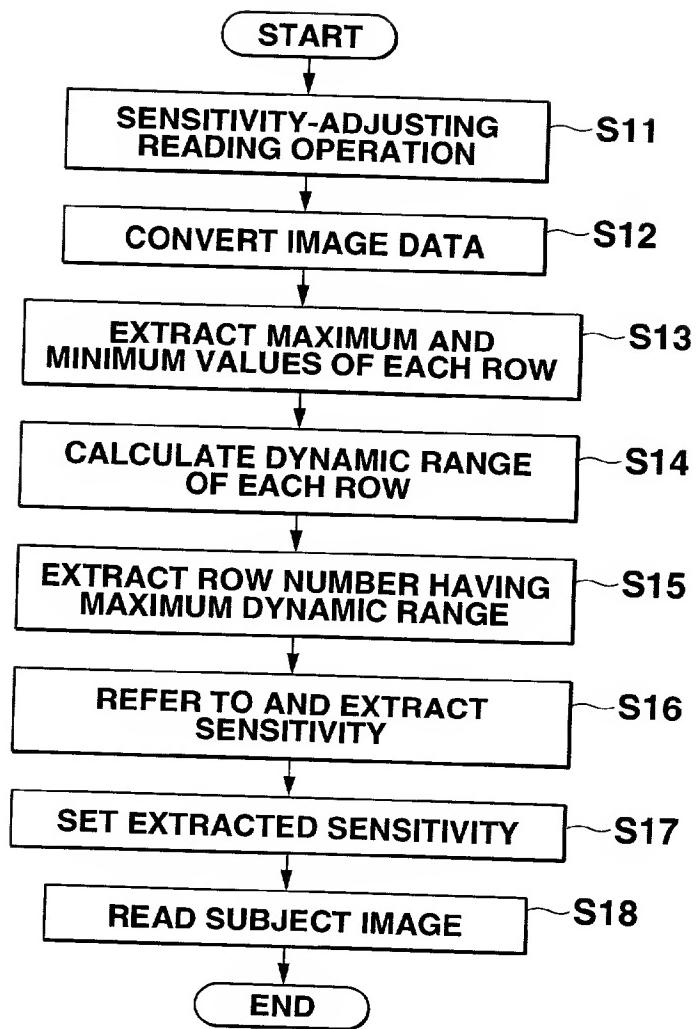


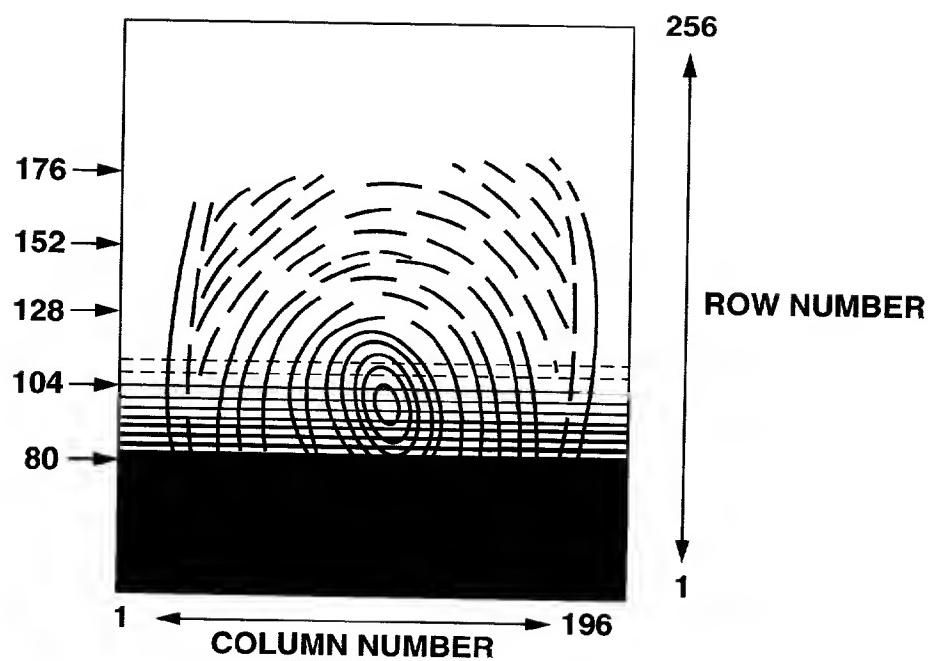
**FIG.1**

**FIG.2**

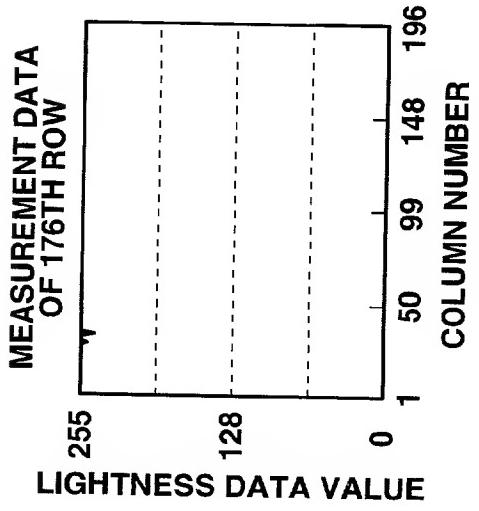




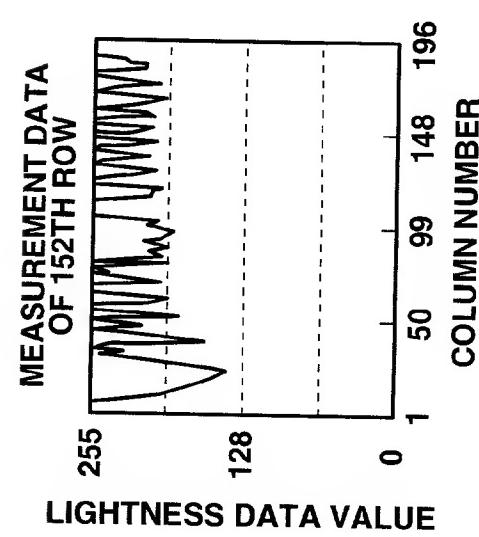
**FIG.3**



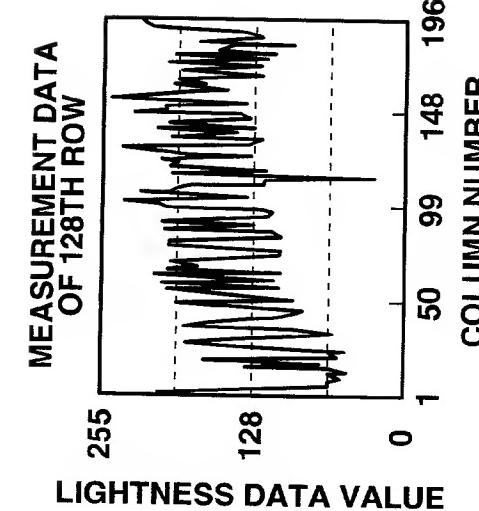
**FIG.4**



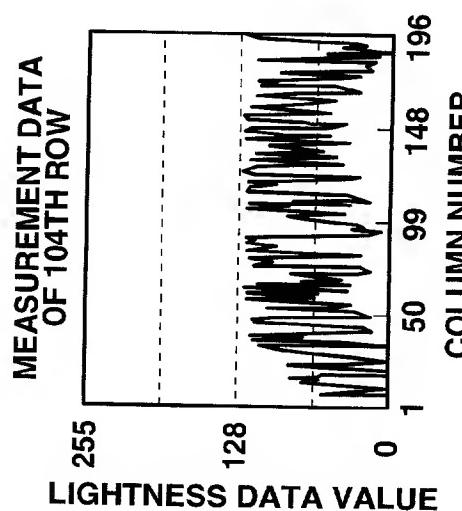
**FIG.5A**



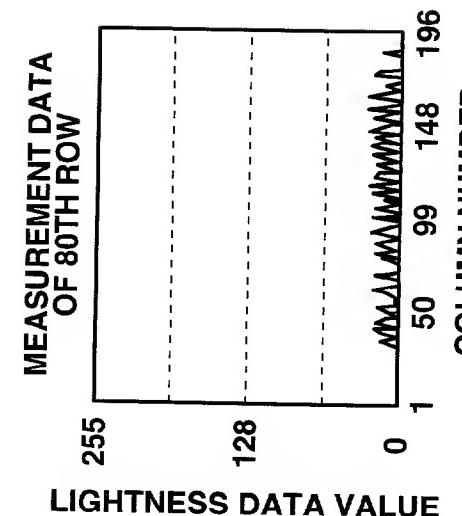
**FIG.5B**



**FIG.5C**



**FIG.5D**



**FIG.5E**

The diagram illustrates a mapping or relationship between two sets of data. A dashed arrow points from the bottom right of Fig. 6A towards the top left of Fig. 6B, indicating a transformation or connection between the two.

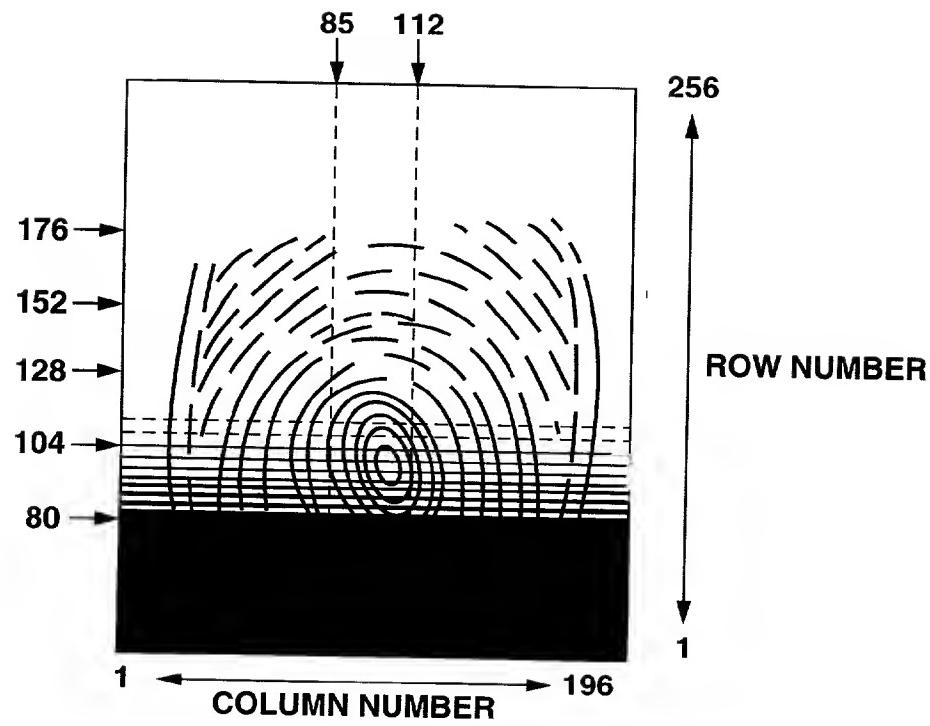
ROW NUMBER	80TH ROW	104TH ROW	128TH ROW	152ND ROW	176TH ROW
MAXIMUM VALUE	25	127	251	255	255
MINIMUM VALUE	0	0	27	153	249
DYNAMIC RANGE	25	127	224	102	6

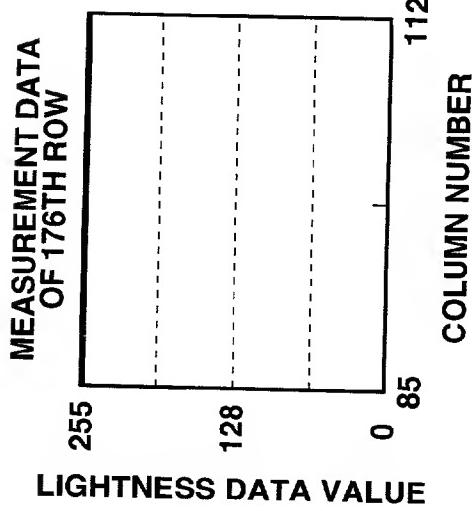
ROW NUMBER	1ST ROW	...	128TH ROW	...	256TH ROW
CHARGE ACCUMULATING PERIOD	$T_1$	...	$T_{128}$	...	$T_{256}$

**FIG.6A**

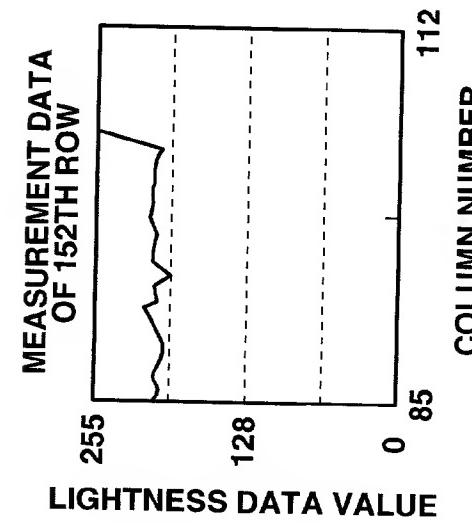
**FIG.6B**



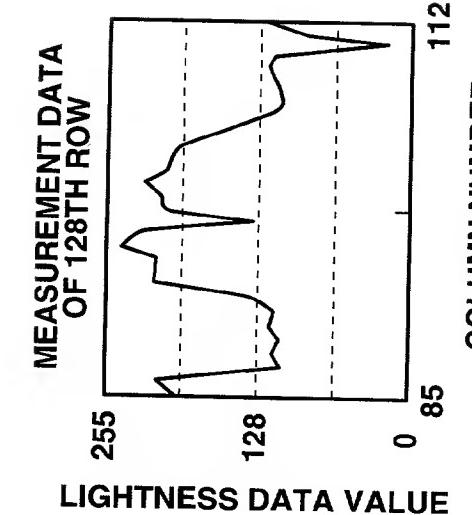
**FIG.7**



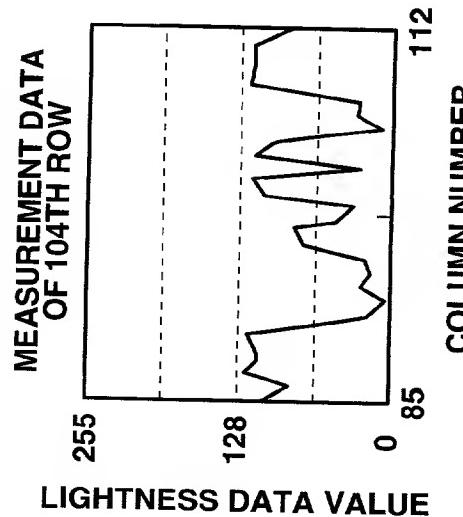
**FIG.8A**



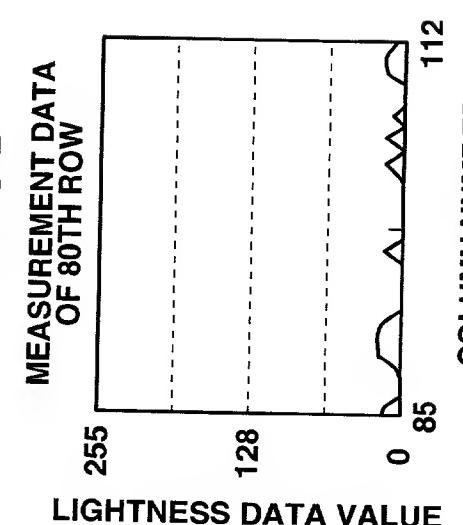
**FIG.8B**



**FIG.8C**



**FIG.8D**



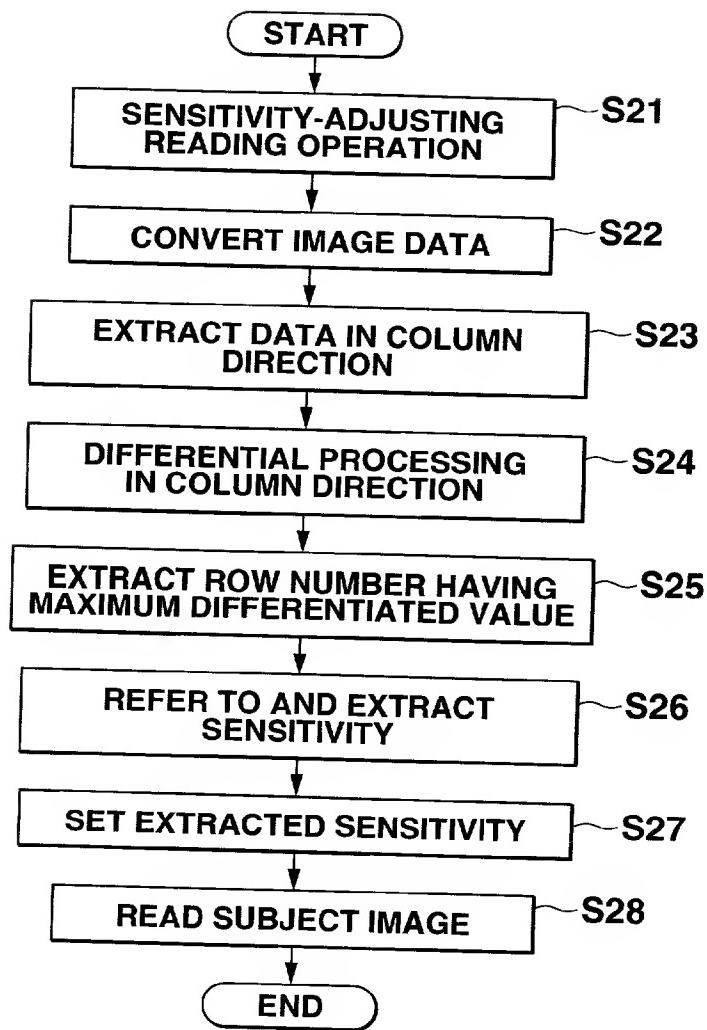
**FIG.8E**

ROW NUMBER	80TH ROW	104TH ROW	128TH ROW	152ND ROW	176TH ROW
MAXIMUM VALUE	23	117	243	255	255
MINIMUM VALUE	0	9	27	193	255
DYNAMIC RANGE	23	108	216	62	0

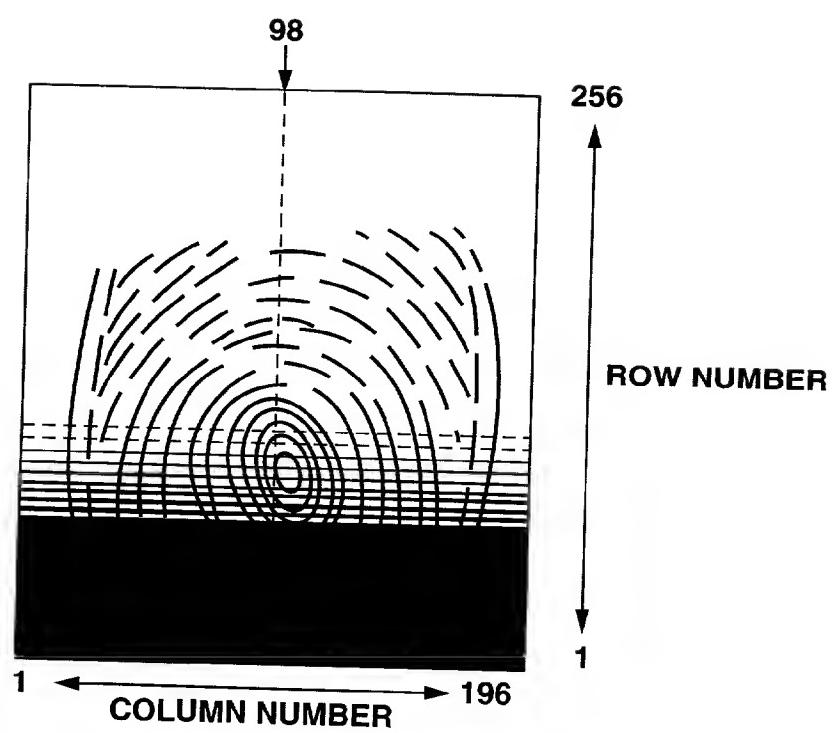
**FIG.9A**

ROW NUMBER	1ST ROW	...	128TH ROW	...	256TH ROW
CHARGE ACCUMULATING PERIOD	$T_1$	...	$T_{128}$	...	$T_{256}$

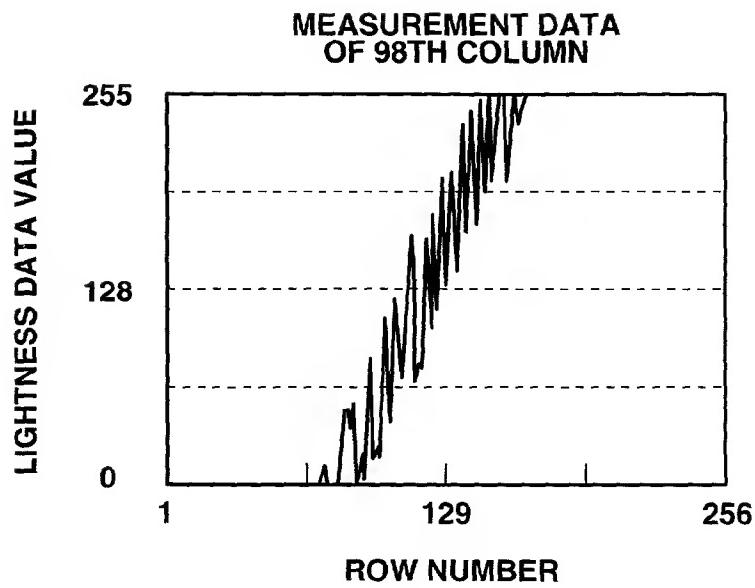
**FIG.9B**



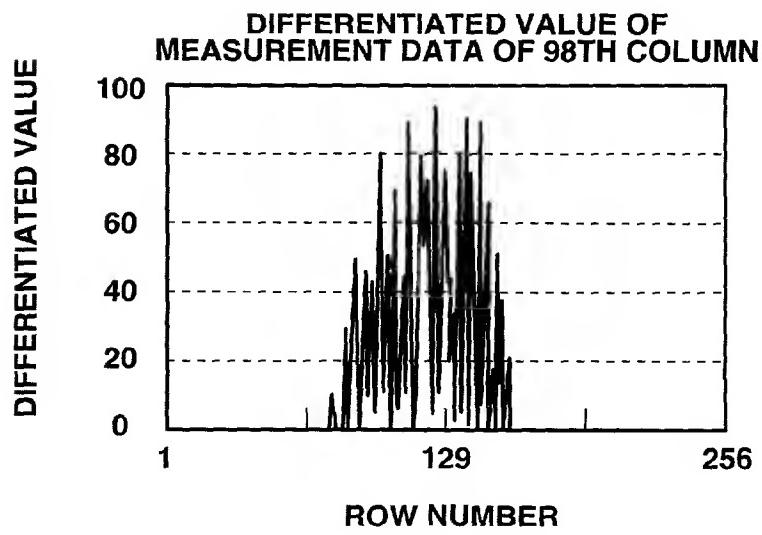
**FIG.10**



**FIG.11**



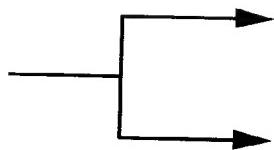
**FIG.12A**



**FIG.12B**

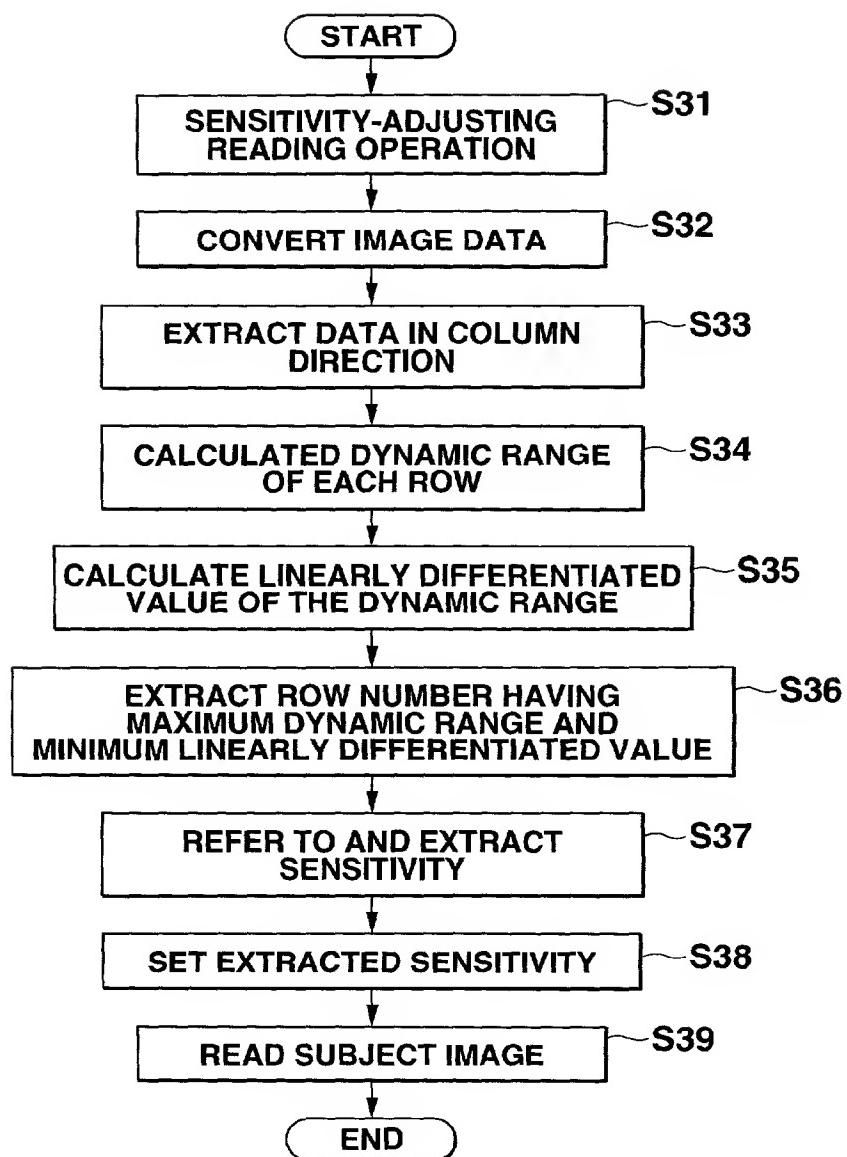
**FIG.13A**

ROW NUMBER	...	121ST ROW	122ND ROW	123RD ROW	124TH ROW	125TH ROW	126TH ROW	127TH ROW	128TH ROW	129TH ROW	...
DIFFERENTIATED VALUE	...	80	53	72	5	95	11	76	20	...	

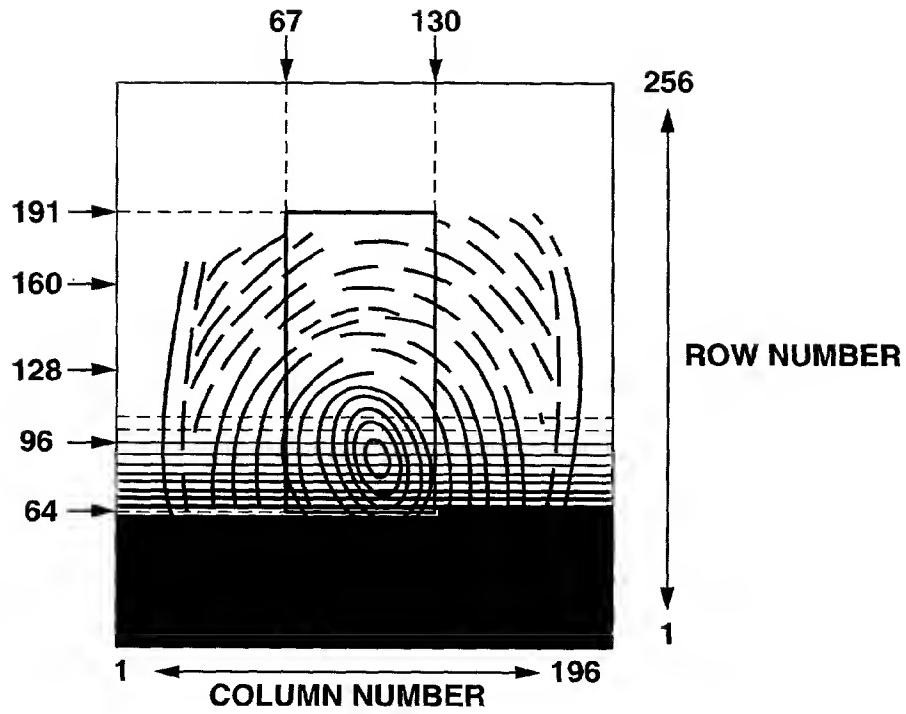


**FIG.13B**

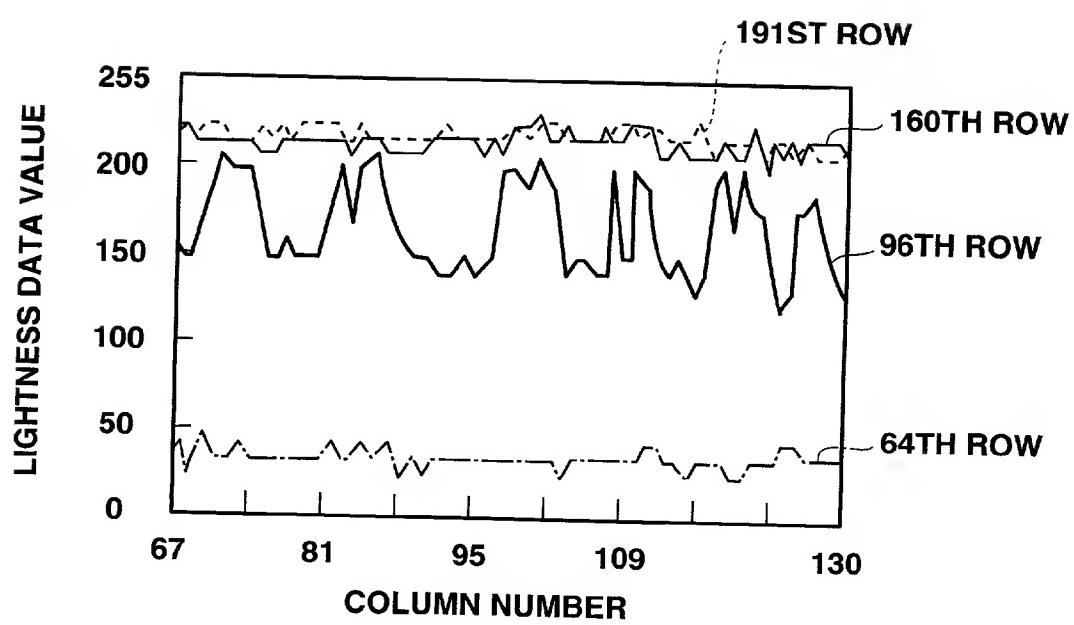
ROW NUMBER	...	121ST ROW	122ND ROW	123RD ROW	124TH ROW	125TH ROW	126TH ROW	127TH ROW	128TH ROW	129TH ROW	...
CHARGE ACCUMULATING PERIOD	...	T <sub>121</sub>	T <sub>122</sub>	T <sub>123</sub>	T <sub>124</sub>	T <sub>125</sub>	T <sub>126</sub>	T <sub>127</sub>	T <sub>128</sub>	T <sub>129</sub>	...



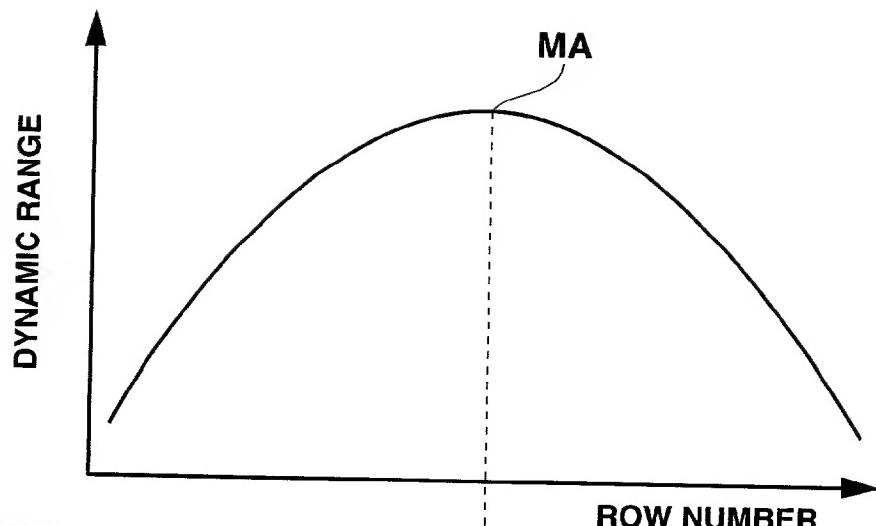
**FIG.14**



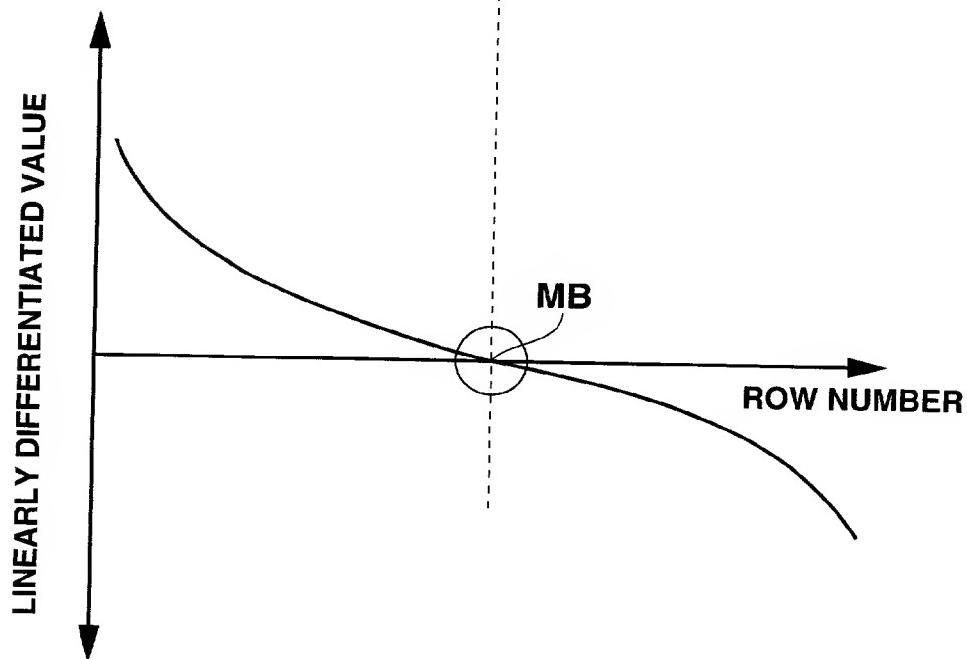
**FIG.15**



**FIG.16**



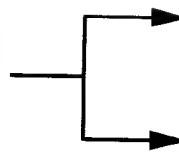
**FIG.17A**



**FIG.17B**

ROW NUMBER	64TH ROW	...	$L_{k-1}$ ROW	$L_k$ ROW	$L_{k+1}$ ROW	...	191ST ROW
MAXIMUM VALUE	$X_{64}$	...	$X_{k-1}$	$X_k$	$X_{k+1}$	...	$X_{191}$
MINIMUM VALUE	$Y_{64}$	...	$Y_{k-1}$	$Y_k$	$Y_{k+1}$	...	$Y_{191}$
DYNAMIC RANGE	$R_{64}$	...	$R_{k-1}$	$R_k(\text{MAX})$	$R_{k+1}$	...	$R_{191}$
LINEARLY DIFFERENTIATED VALUE	...		$D_{k-2}$	$D_{k-1(\text{MIN})}$	$D_k$	$D_{k+1}$	...

**FIG. 18A**



ROW NUMBER	64TH ROW	...	$L_{k-1}$ ROW	$L_k$ ROW	$L_{k+1}$ ROW	...	191ST ROW
CHARGE ACCUMULATING PERIOD	$T_{64}$	...	$T_{k-1}$	$T_k$	$T_{k+1}$	...	$T_{191}$

**FIG. 18B**

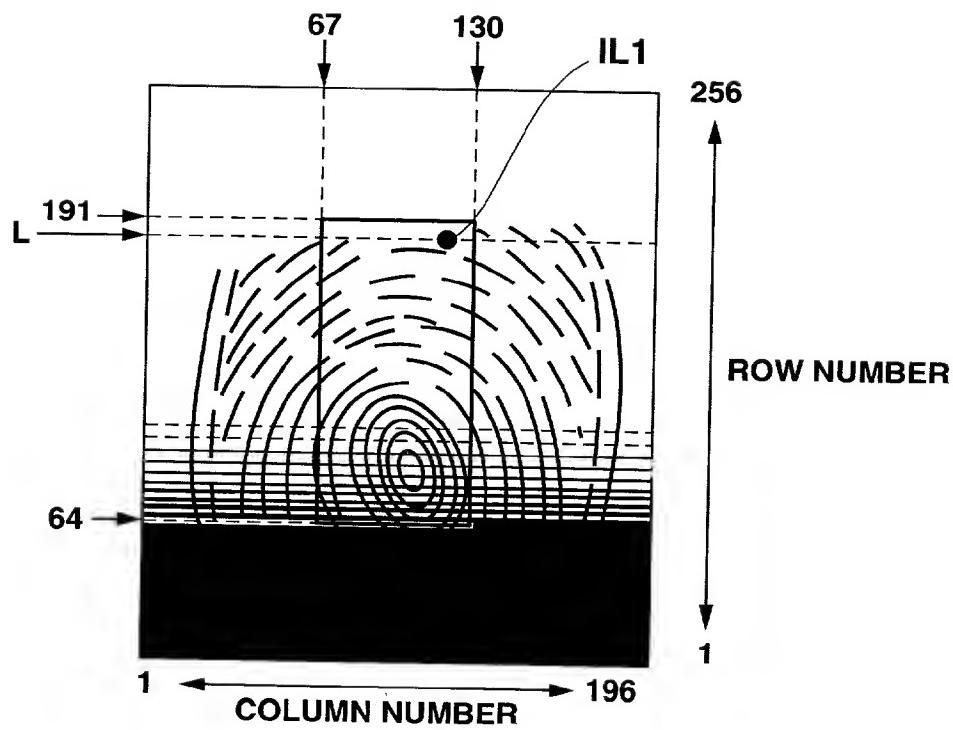
ROW NUMBER	64TH ROW	...	$L_{k-1}$ ROW	$L_k$ ROW	$L_{k+1}$ ROW	...	...	191ST ROW
MAXIMUM VALUE	X <sub>64</sub>	...	X <sub>k-1</sub>	X <sub>k</sub>	X <sub>k+1</sub>	...	...	X <sub>191</sub>
MINIMUM VALUE	Y <sub>64</sub>	...	Y <sub>k-1</sub>	Y <sub>k</sub>	Y <sub>k+1</sub>	...	...	Y <sub>191</sub>
DYNAMIC RANGE	R <sub>64</sub>	...	R <sub>k-1</sub>	R <sub>k(MAX)</sub>	R <sub>k+1</sub>	...	...	R <sub>191</sub>

**FIG. 19A**

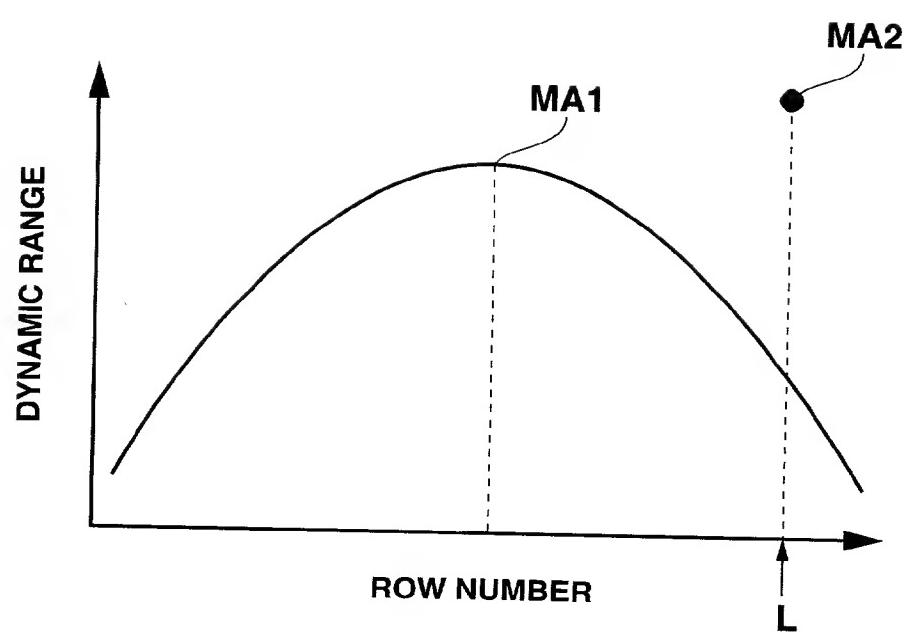


ROW NUMBER	64TH ROW	...	$L_{k-1}$ ROW	$L_k$ ROW	$L_{k+1}$ ROW	...	...	191ST ROW
CHARGE ACCUMULATING PERIOD	T <sub>64</sub>	...	T <sub>k-1</sub>	T <sub>k</sub>	T <sub>k+1</sub>	...	...	T <sub>191</sub>

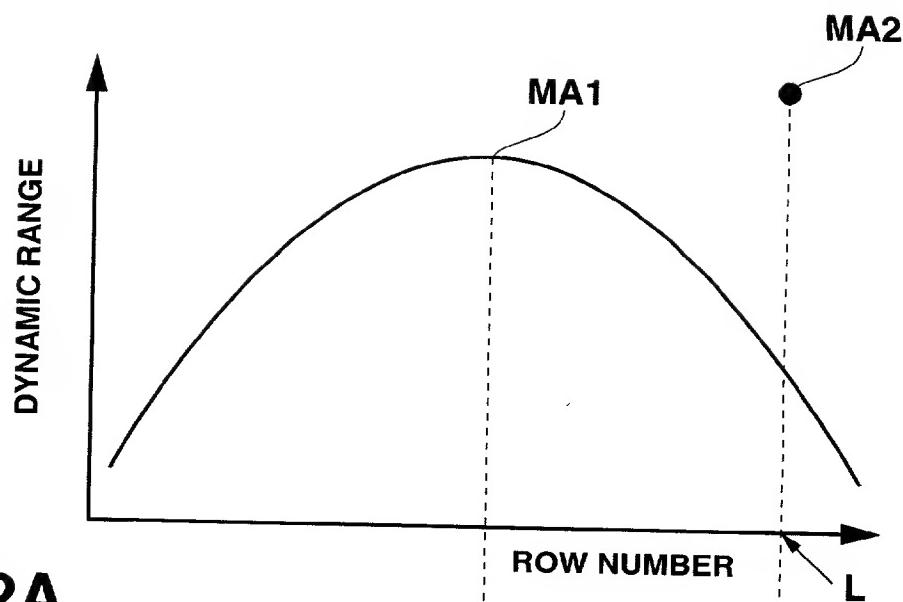
**FIG. 19B**



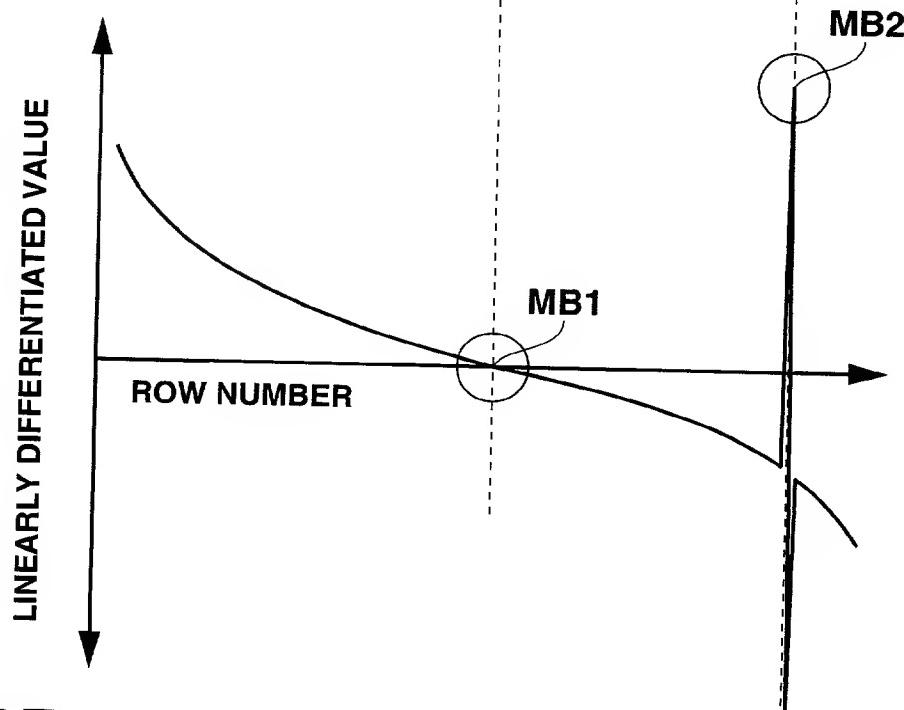
**FIG.20**



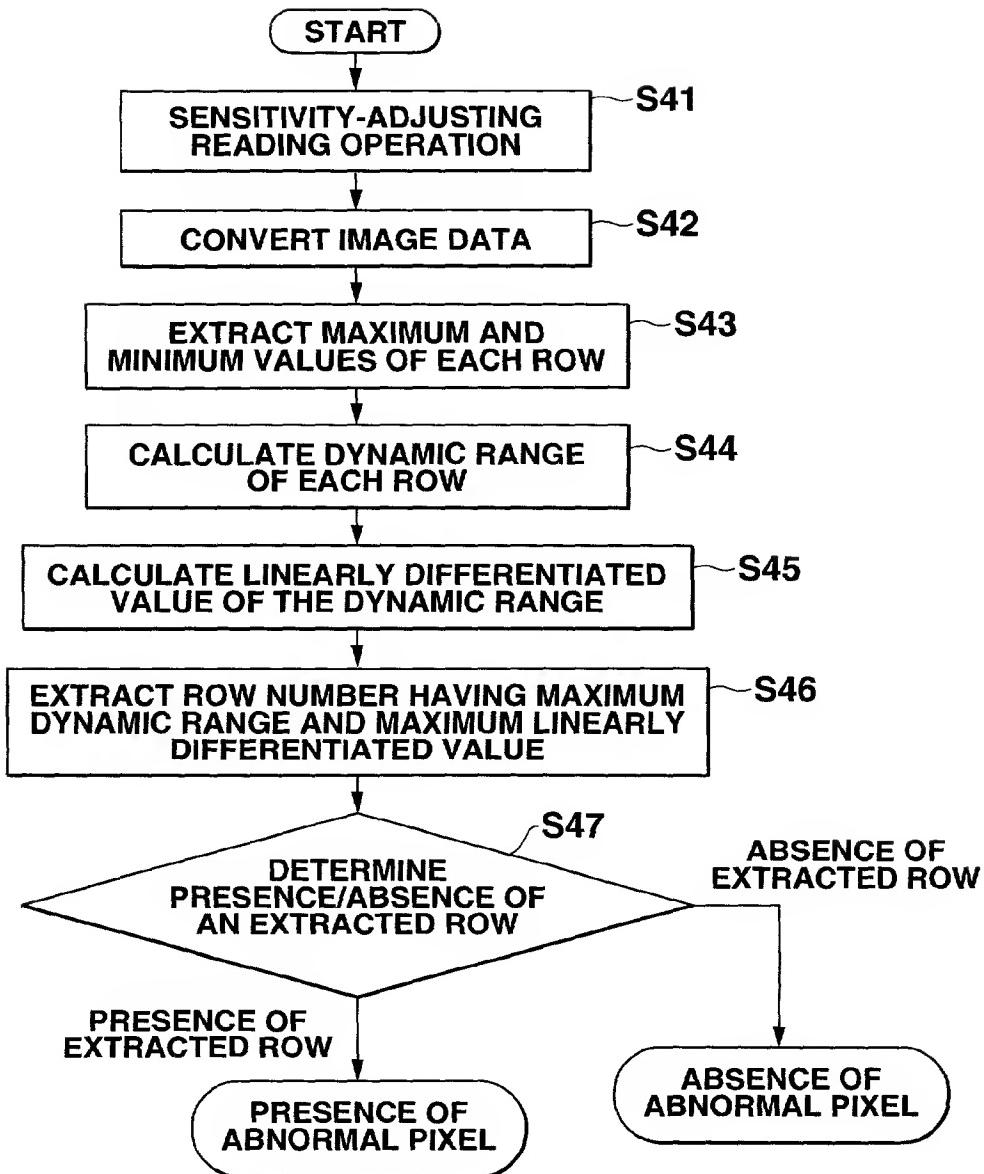
**FIG.21**



**FIG.22A**



**FIG.22B**



**FIG.23**

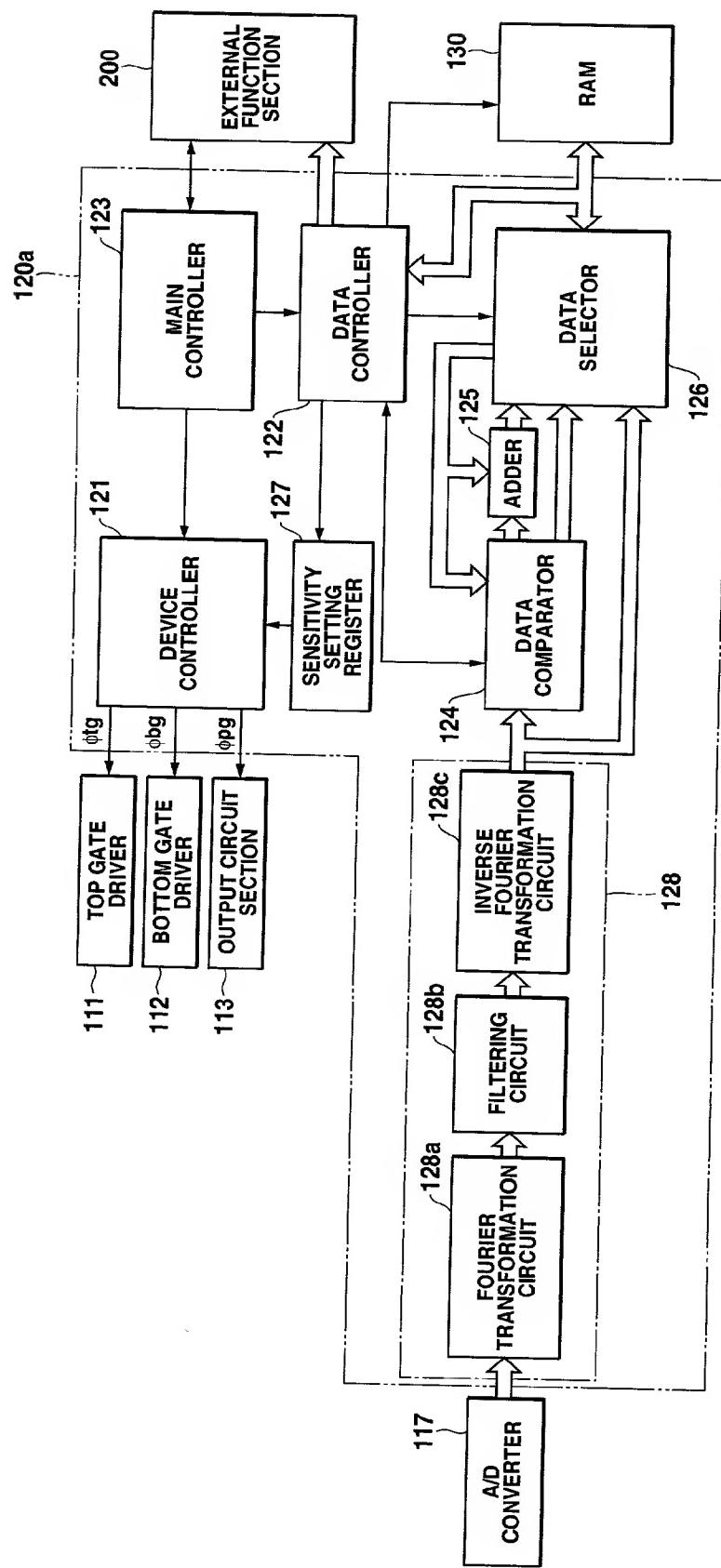
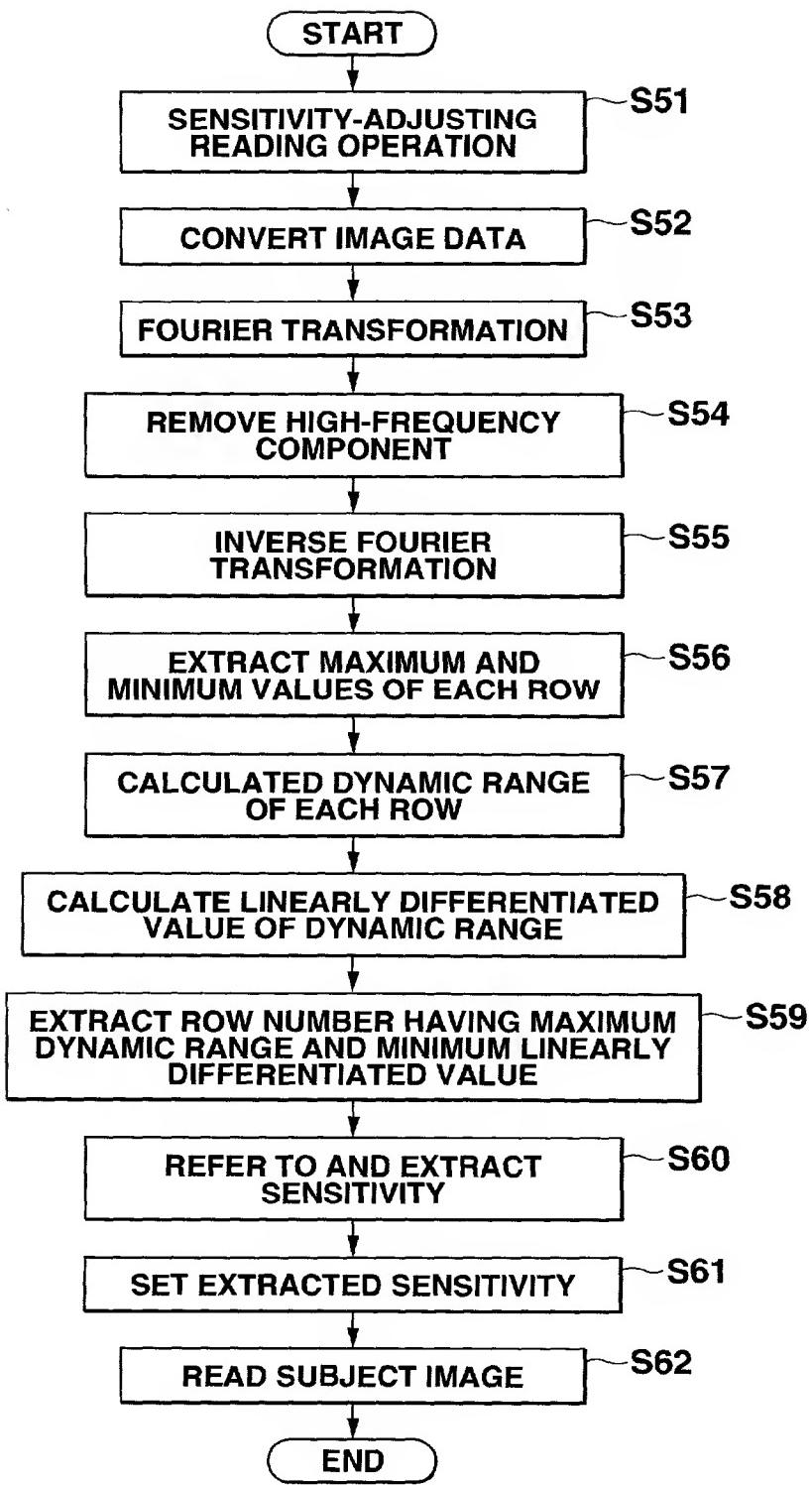
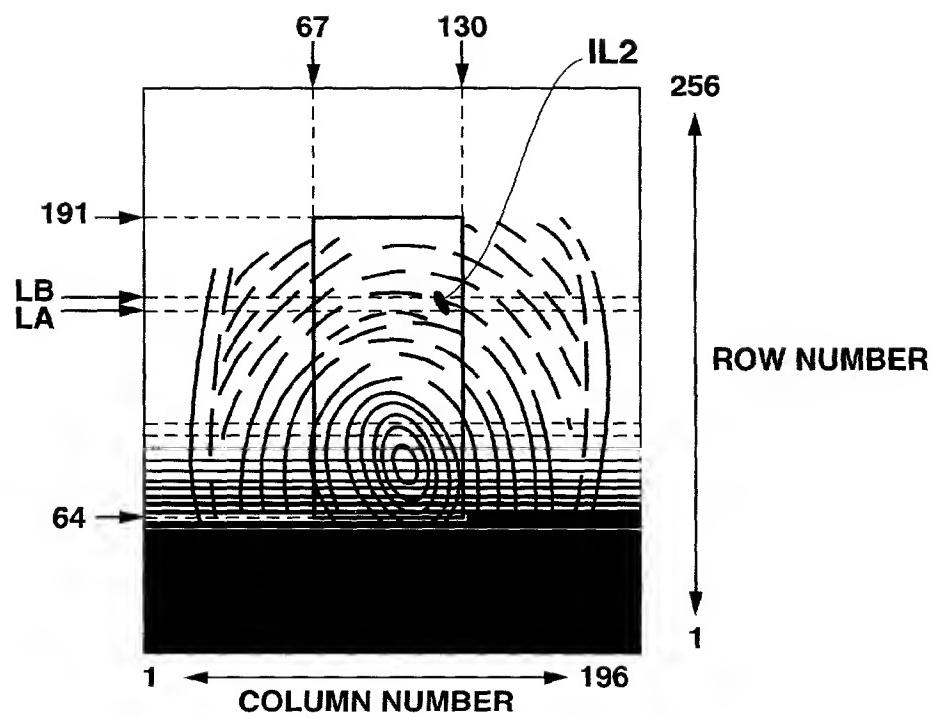


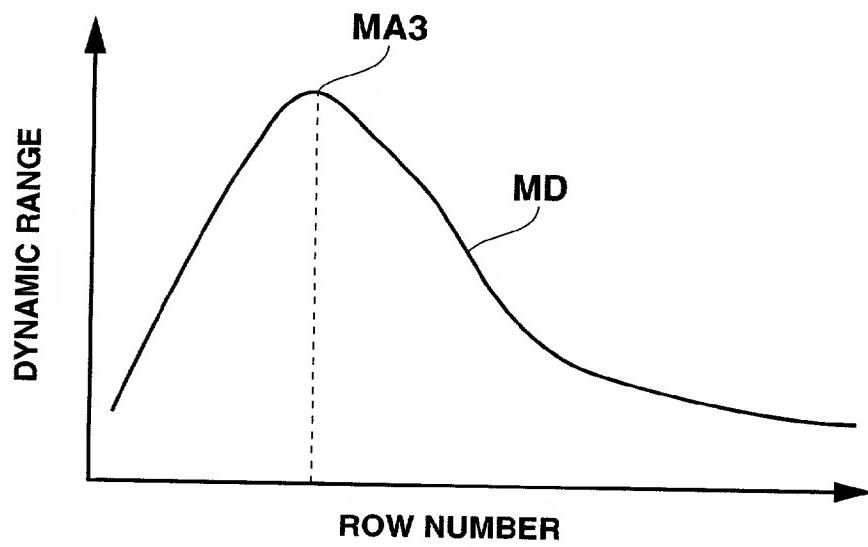
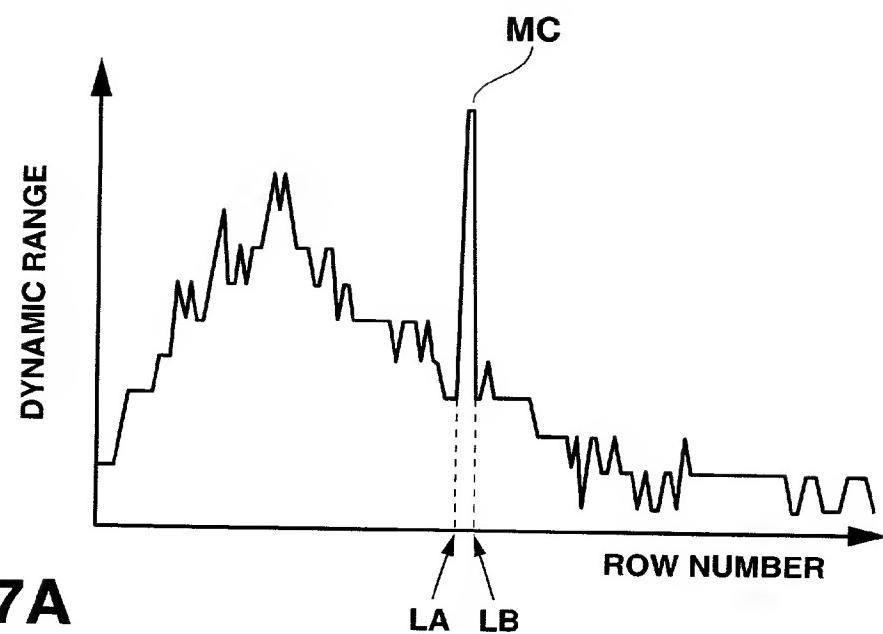
FIG. 24

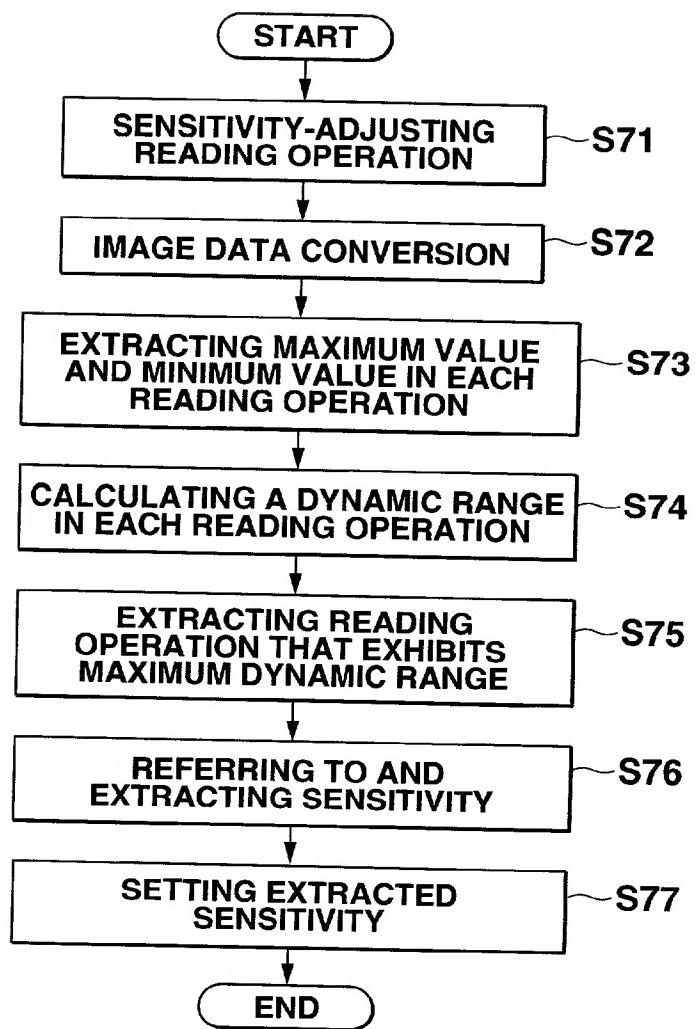


**FIG.25**

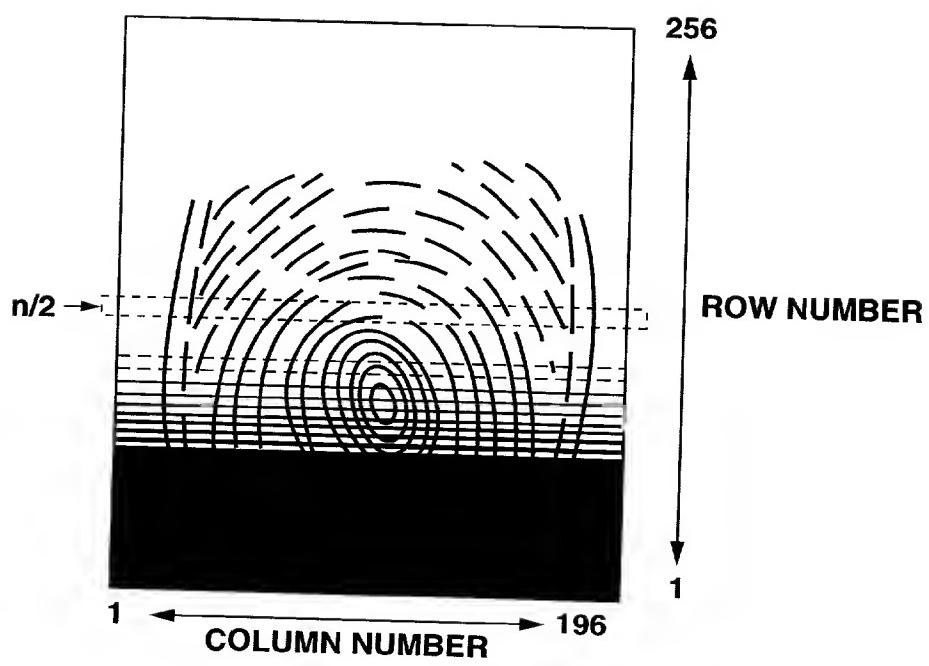


**FIG.26**

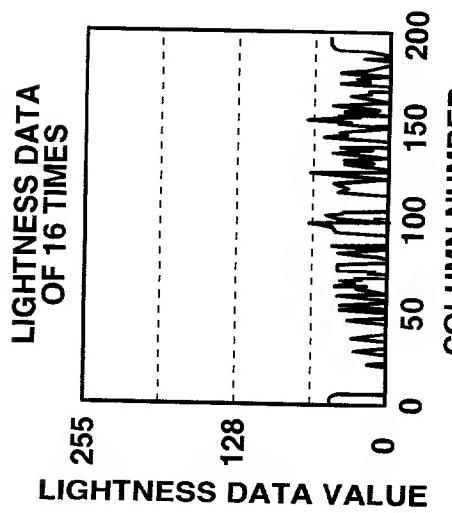




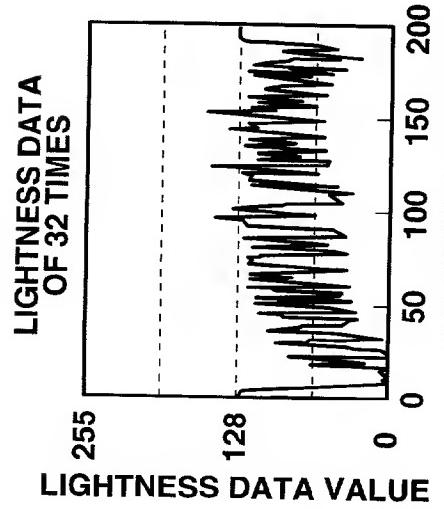
**FIG.28**



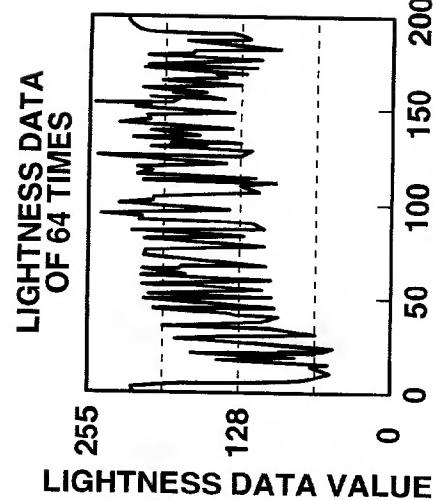
**FIG.29**



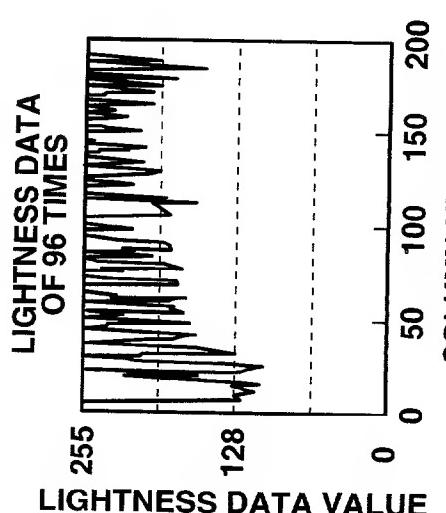
**FIG.30A**



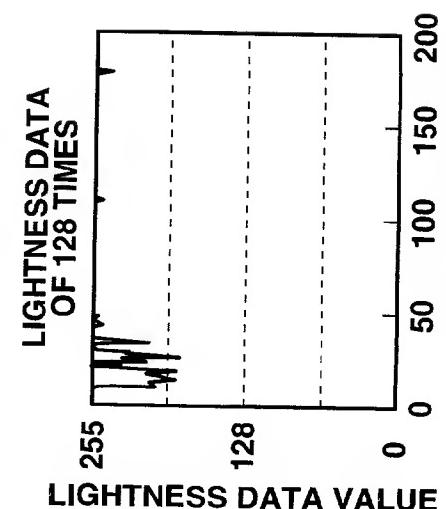
**FIG.30B**



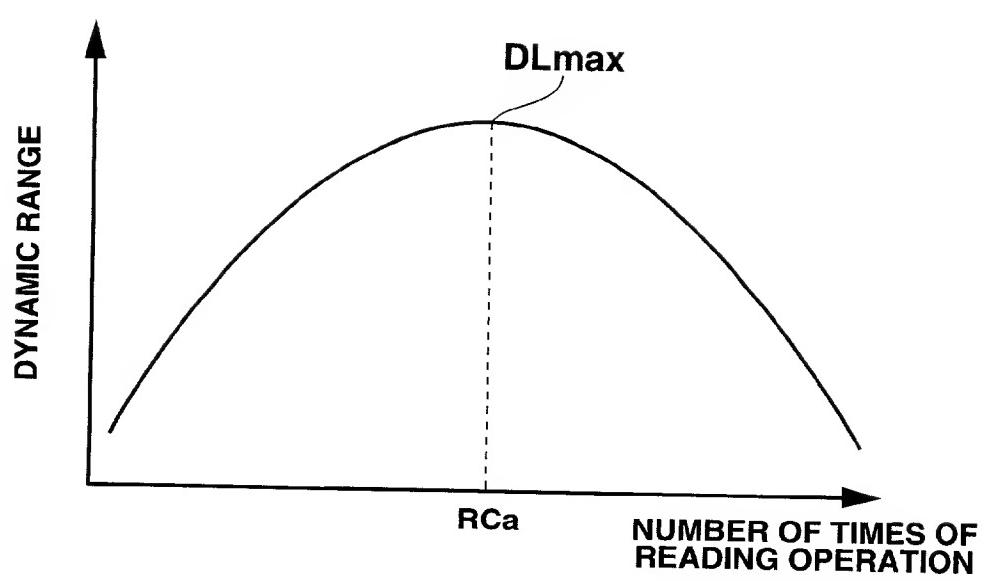
**FIG.30C**



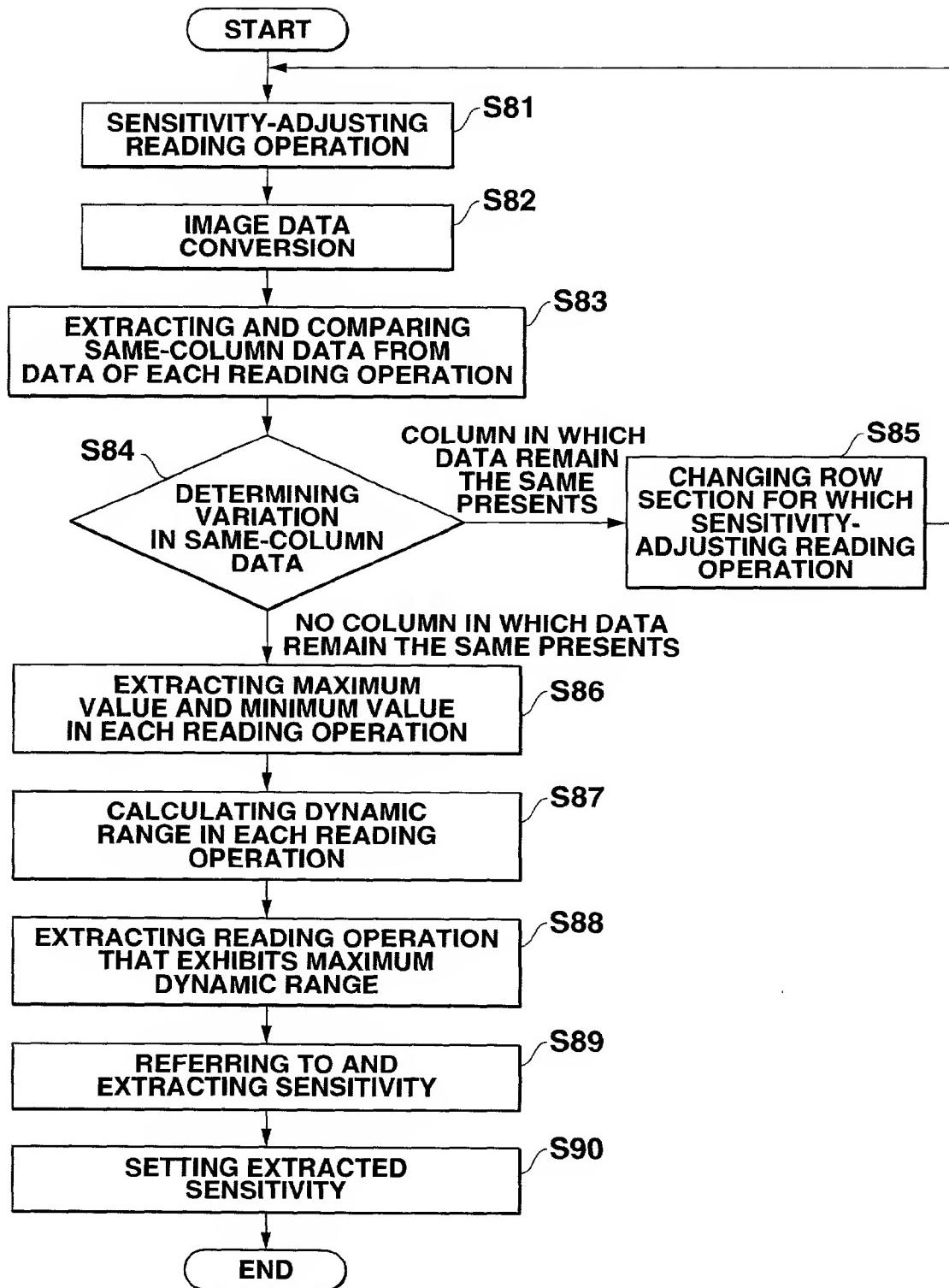
**FIG.30D**



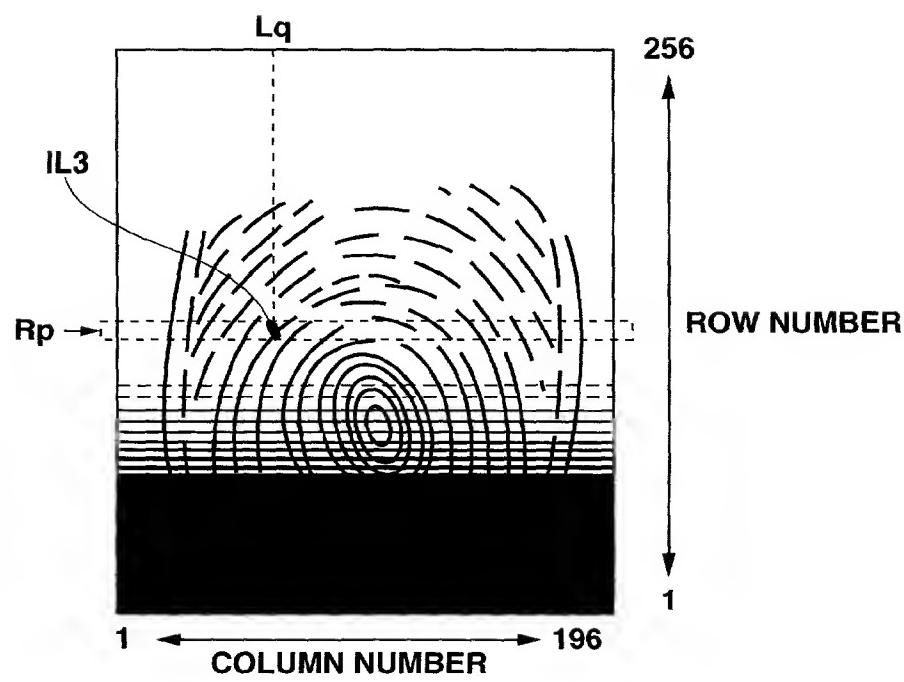
**FIG.30E**



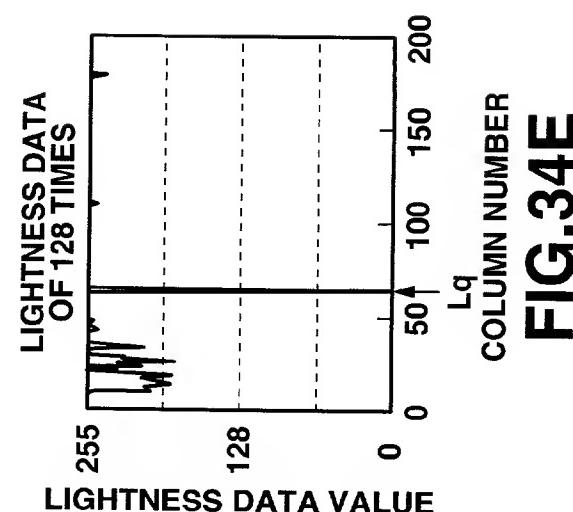
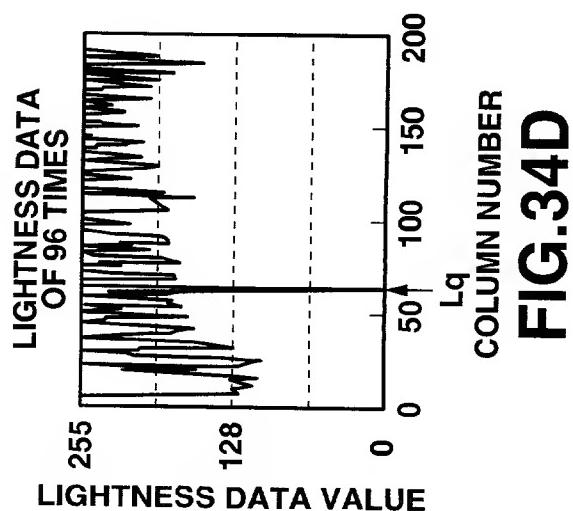
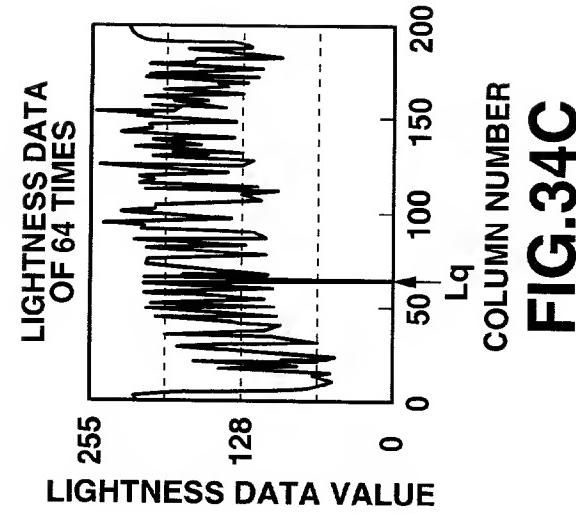
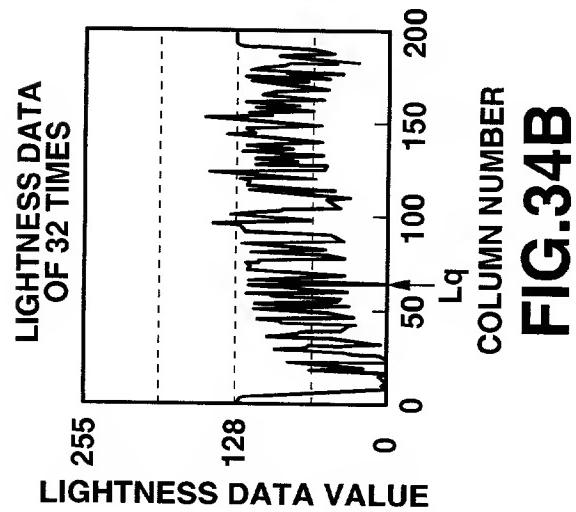
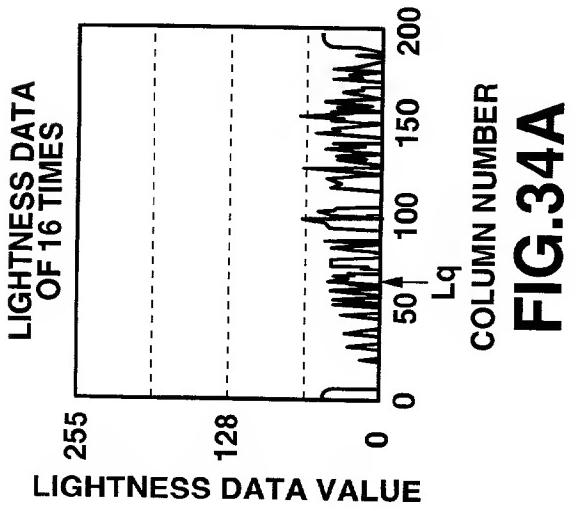
**FIG.31**

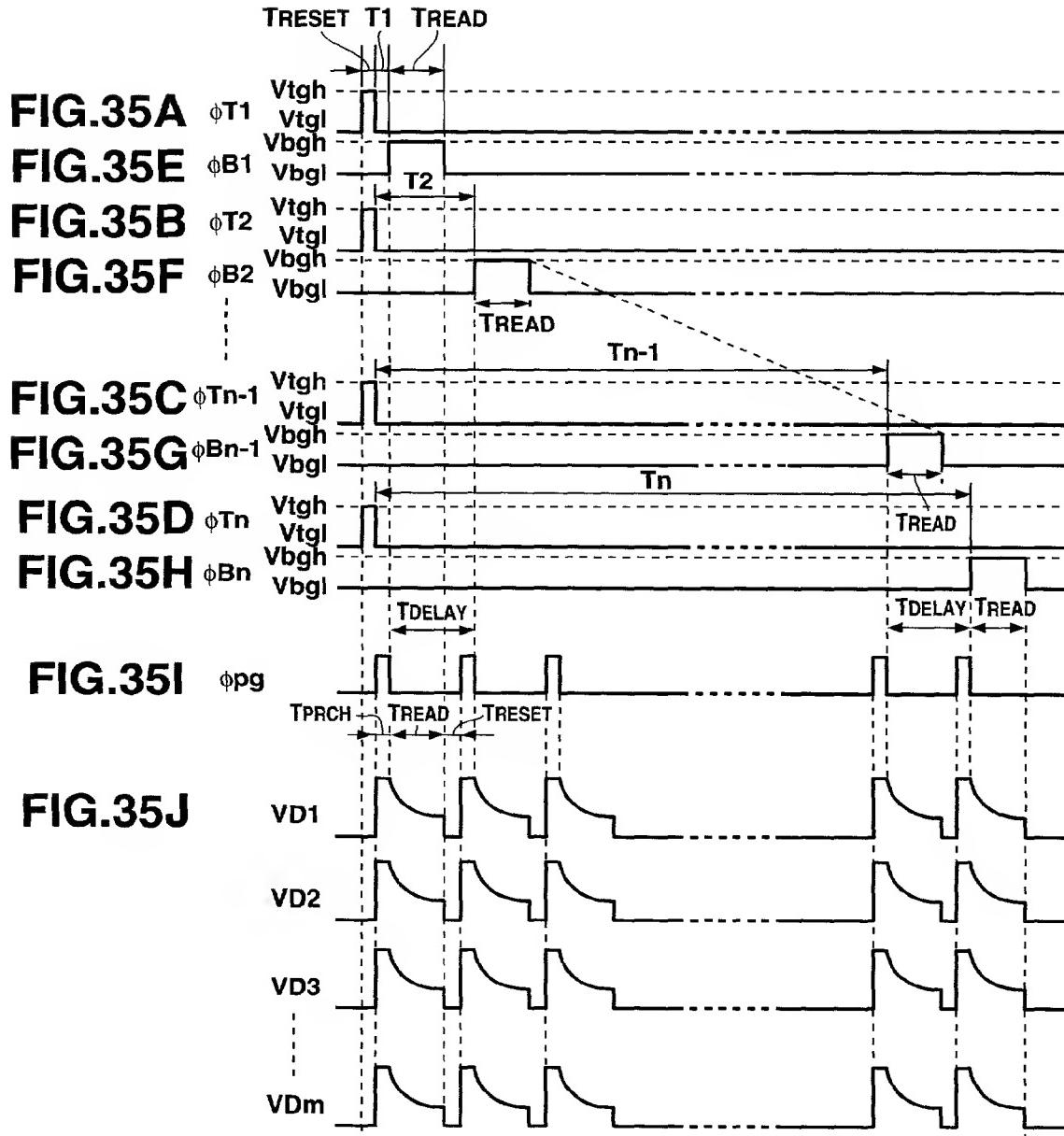


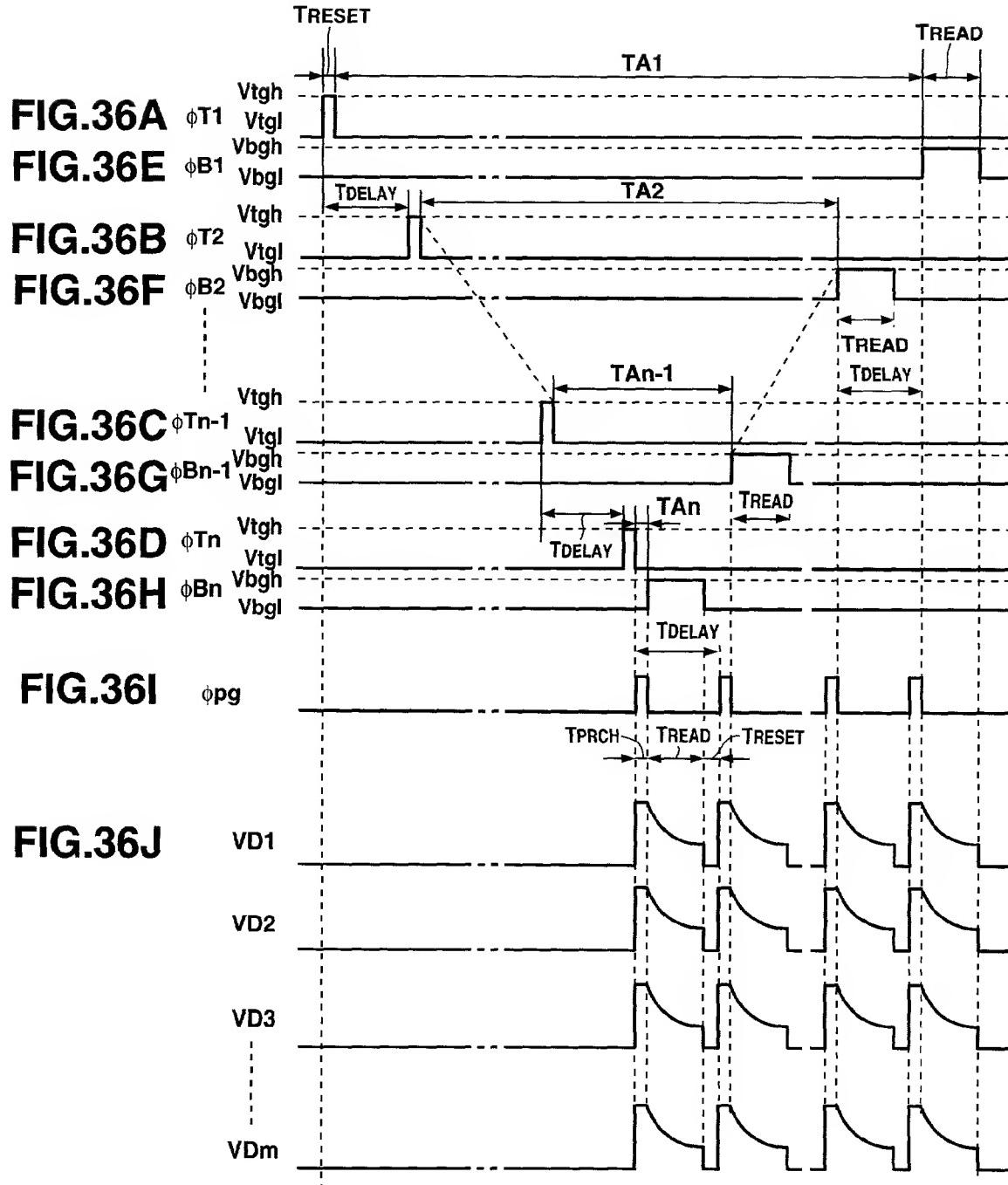
**FIG.32**



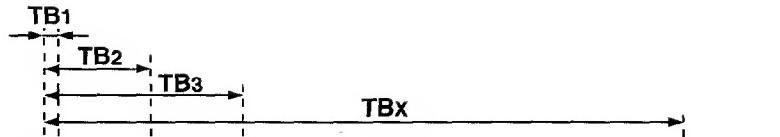
**FIG.33**



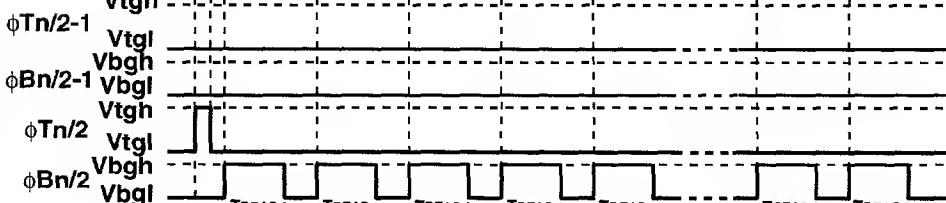




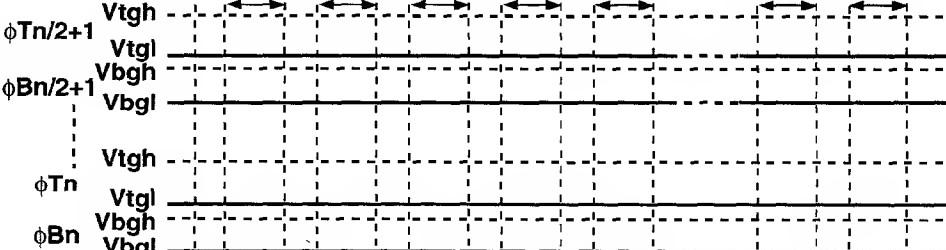
**FIG.37A**  
**FIG.37F**



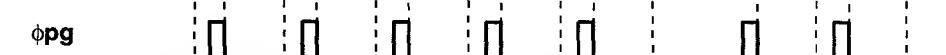
**FIG.37B**  
**FIG.37G**  
**FIG.37C**  
**FIG.37H**



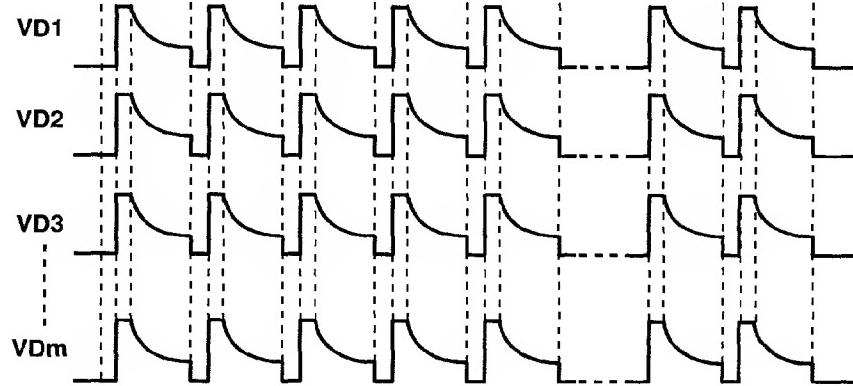
**FIG.37D**  
**FIG.37I**  
**FIG.37E**  
**FIG.37J**

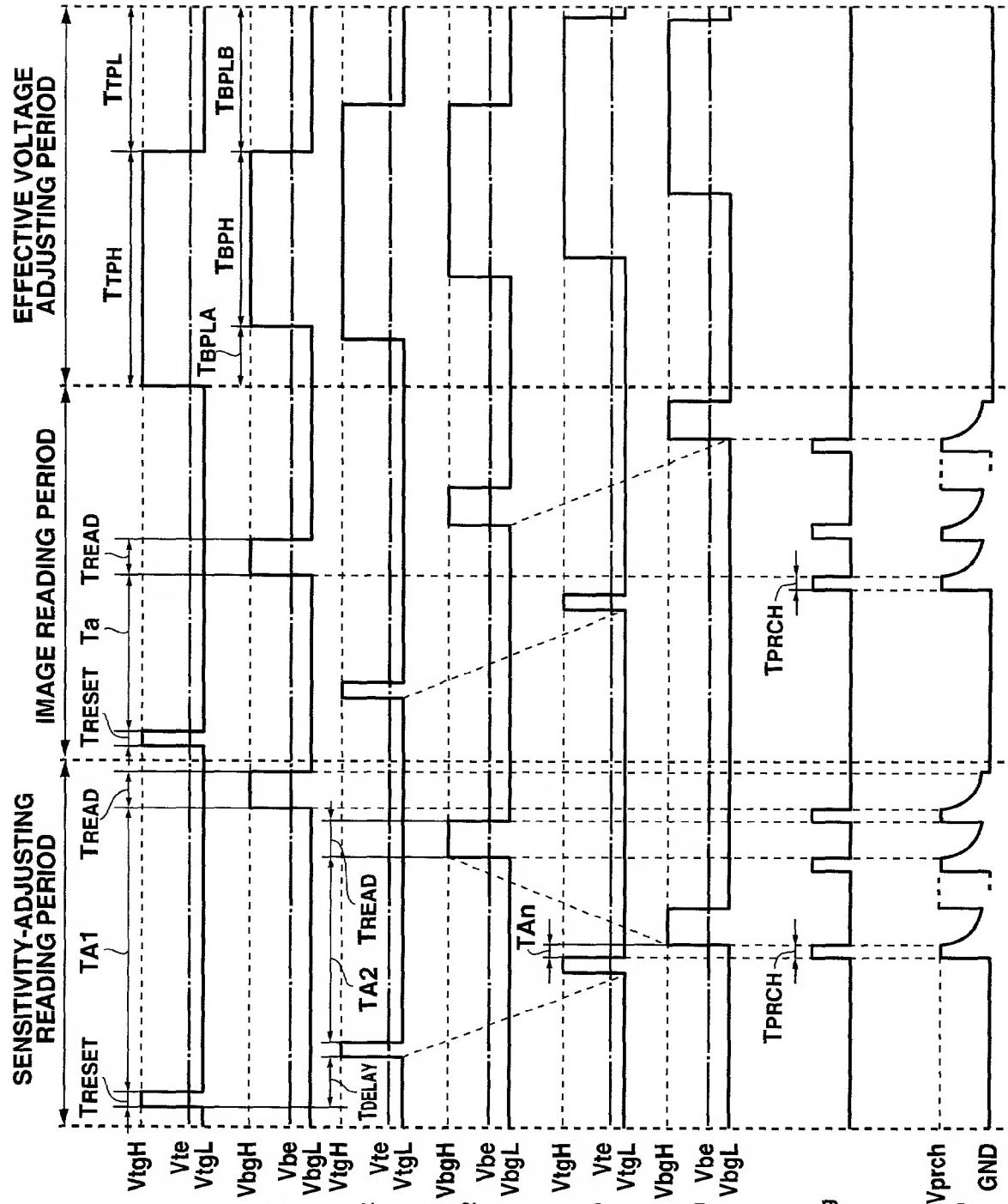


**FIG.37K**



**FIG.37L**





**FIG.38A**

**FIG.38D**

**FIG.38B**

**FIG.38E**

**FIG.38C**

**FIG.38F**

**FIG.38G**

**FIG.38H**

PRIOR ART

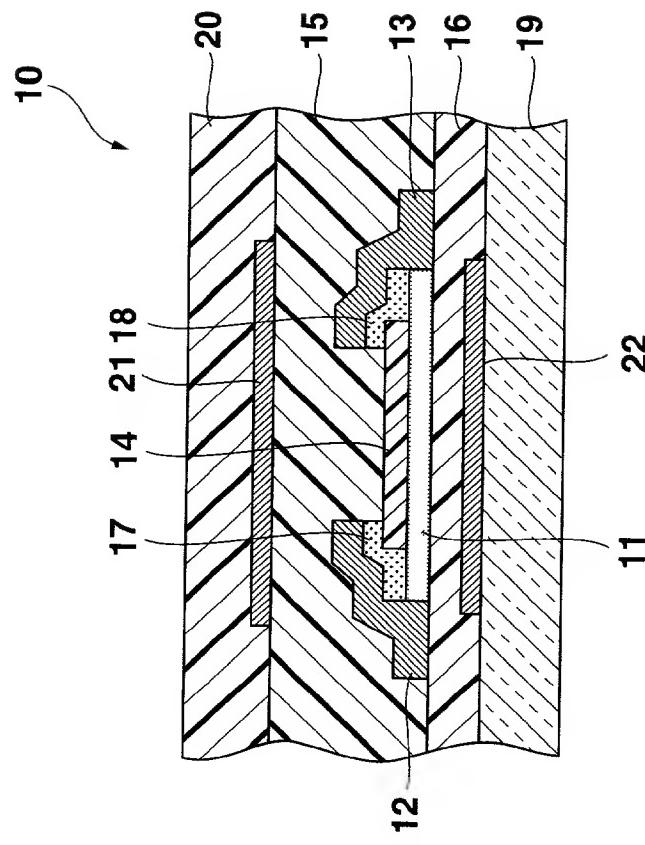


FIG.39A

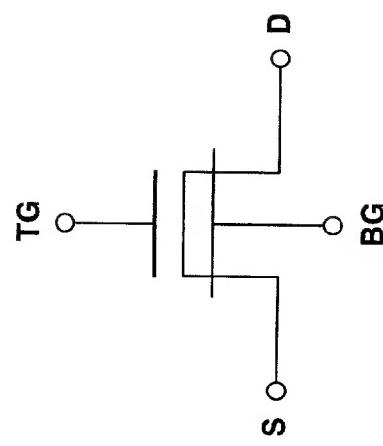
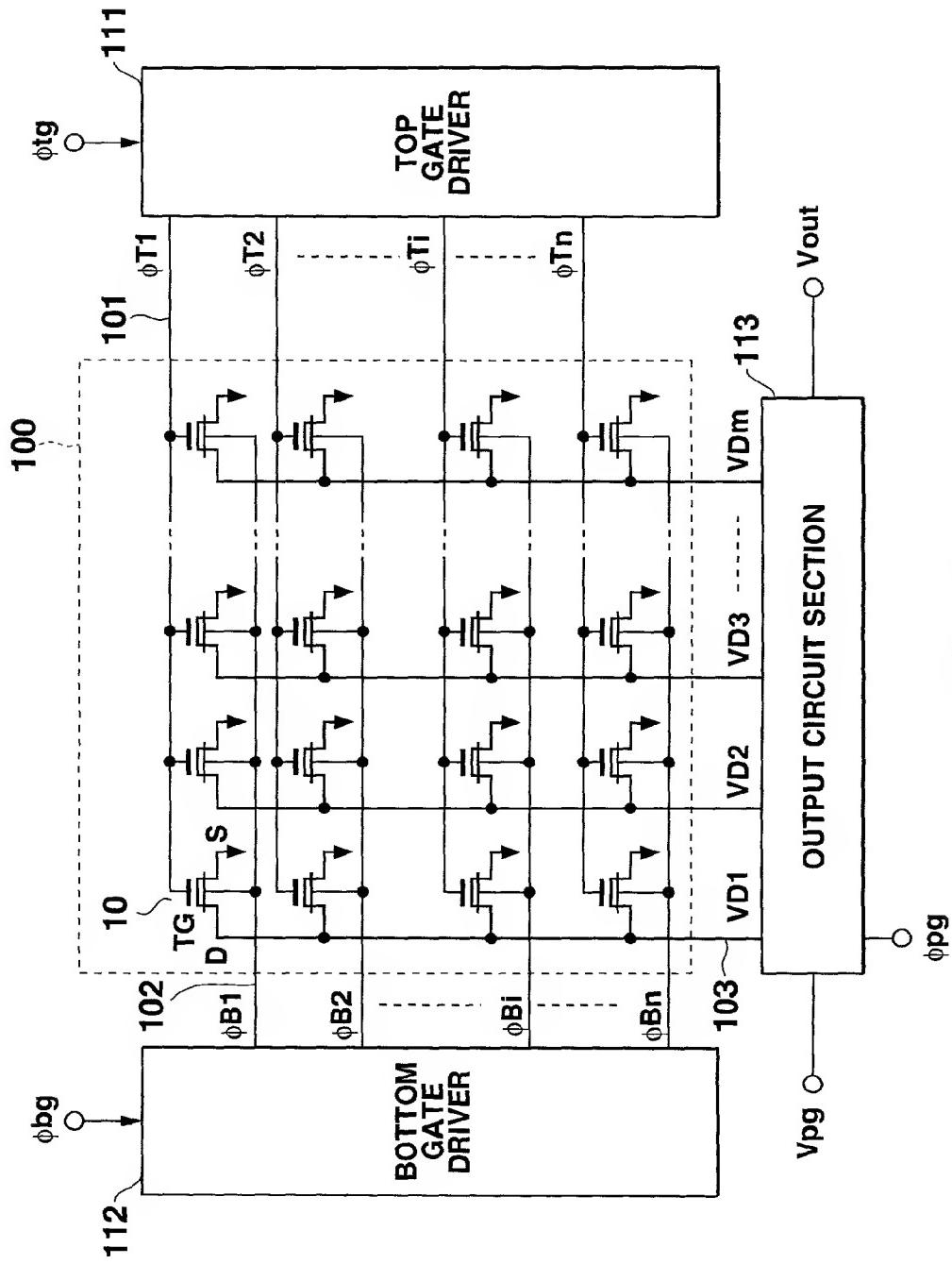


FIG.39B

## PRIOR ART



**FIG.40**

## PRIOR ART

